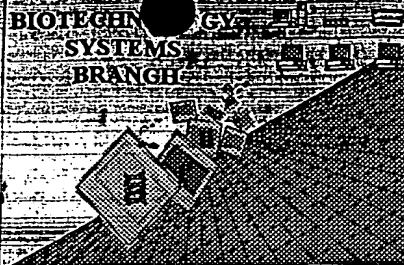


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 09/622,206

Source: PCT 09

Date Processed by STIC: 1/11/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/624,206

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

PCT09

RAW SEQUENCE LISTING DATE: 01/11/2001
 PATENT APPLICATION: US/09/622,206 TIME: 17:19:13

Input Set : A:\400683seqlist.txt
 Output Set: N:\CRF3\01112001\I622206.raw

Does Not Comply
 Corrected Diskette Needed

OK
 4 <110> APPLICANT: Laboratory of Molecular Biophotonics
 6 <120> TITLE OF INVENTION: Method for quantitatively detecting antigen
 8 <130> FILE REFERENCE: T-00-0008-00
 10 <140> CURRENT APPLICATION NUMBER: US/09/622,206
 11 <141> CURRENT FILING DATE: 2000-08-14
 13 <150> NUMBER OF SEQ ID NOS: 13
 15 <170> SOFTWARE: Patentia Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 25
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Primer
 25 <400> SEQUENCE: 1
 26 saggtsmarc tgcagsagtc wgg 23
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 34
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: Primer
 37 <400> SEQUENCE: 2
 38 ggcgtcatcta gaacacacac aatccatggg caca 34
 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 32
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 47 <223> OTHER INFORMATION: Primer
 49 <400> SEQUENCE: 3
 W--> 50 ccagwtsyga gctcswhnts adccagmndy ch 32
 53 <210> SEQ ID NO: 4
 54 <211> LENGTH: 21
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Primer
 61 <400> SEQUENCE: 4
 62 acactcattc ctgttgaagc t 21
 65 <210> SEQ ID NO: 5
 66 <211> LENGTH: 23
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Artificial Sequence
 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: Primer
 73 <400> SEQUENCE: 5
 74 saggtsmarc tgcagsagtc wgg 23

see item 10 on Erra Summary Sheet

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/622,206

DATE: 01/11/2001
 TIME: 17:19:13

Input Set : A:\400683seqlist.txt
 Output Set: N:\CRF3\01112001\1622206.raw

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78 <211> LENGTH: 33
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80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Primer
85 <400> SEQUENCE: 6
86 gccagacaga gacccagat cccagggcac cgt      33
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 57
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Primer
97 <400> SEQUENCE: 7
98 catggaact gactggccc agccggcat gcccgagtc cagctgcagc agtcagg      57
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 48
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Primer
109 <400> SEQUENCE: 8
110 ccacgattct ccgcccgcac actcatlctt gtcgaagtc ttgtaat      18
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 106
115 <212> TYPE: PRT
116 <213> ORGANISM: Mouse
118 <400> SEQUENCE: 9
119 Ala Lys Thr Thr Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala
120 1 5 10 15
122 Ala Gln Thr Asn Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr
123 20 25 30
125 Phe Pro Glu Pro Val Thr Val Thr Trp Asp Ser Gly Ser Leu Ser Ser
126 35 40 45
128 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu
129 50 55 60
131 Ser Ser Ser Val Thr Val Pro Ser Ser Thr Trp Pro Ser Gln Thr Val
132 65 70 75 80
134 Thr Cys Asn Val Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys
135 85 90 95
137 Ile Val Pro Arg Asp Cys Gly Cys Ser Arg
138 100 105
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 106
143 <212> TYPE: PRT
144 <213> ORGANISM: Mouse
146 <400> SEQUENCE: 10
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/622,206

DATE: 01/11/2001

TIME: 17:19:13

Input Set : A:\400683seqlist.txt

Output Set: N:\CRF3\01112001\I622206.raw

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148      1          5          10          15
150 Ala Gln Thr Asn Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr
151      20          25          30
153 Phe Pro Gln Pro Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser
154      35          40          45
156 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Asp Gln Tyr Thr Leu
157      50          55          60
159 Ser Ser Ser Val Thr Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val
160      65          70          75          80
162 Thr Cys Asn Val Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys
163      85          90          95
165 Ile Val Pro Arg Asp Cys Gly Cys Ser Arg
166      100          105
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 96
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
175 <223> OTHER INFORMATION: Primer
177 <400> SEQUENCE: 11
178 ggtgacacgc ccccgagacc ggtctacttg gtcgaacttg tgcactatg ctggaaggac 60
179 gtcacactc attctgttg aagctc                                     85
182 <210> SEQ ID NO: 12
183 <211> LENGTH: 121
184 <212> TYPE: PRT
185 <213> ORGANISM: Mouse
187 <400> SEQUENCE: 12
188 Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln
189      1          5          10          15
191 Leu Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr
192      20          25          30
194 Pro Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln
195      35          40          45
197 Asn Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr
198      50          55          60
200 Tyr Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Gln Tyr Glu Arg
201      65          70          75          80
203 His Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro
204      85          90          95
206 Ile Thr Lys Ser Phe Asn Arg Asn Glu Cys Ser Arg Pro Ser Arg Pro
207      100          105          110
209 Ser Arg Pro Ser Arg Pro Ser Arg Pro
210      115          120
213 <210> SEQ ID NO: 13
214 <211> LENGTH: 106
215 <212> TYPE: PRT
216 <213> ORGANISM: Mouse
218 <400> SEQUENCE: 13
219 Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/622,206

DATE: 01/11/2001

TIME: 17:19:13

Input Set : A:\400683seqlist.txt

Output Set: N:\CRF3\01112001\I622206.raw

```

220      1              5              10              15
222 Leu Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr
223      20              25              30
225 Pro Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Gln Arg Gln
226      35              40              45
228 Asn Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr
229      50              55              60
231 Tyr Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Gln Tyr Gln Arg
232      65              70              75              80
234 His Asn Ser Tyr Thr Cys Gln Ala Thr His Lys Thr Ser Thr Ser Pro
235      85              90              95
237 Ile Thr Lys Ser Phe Asn Arg Asn Gln Cys
238      100              105
242 1/10

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/622,206

DATE: 01/11/2001

TIME: 17:19:14

Input Set : A:\400683seqlist.txt

Output Set: N:\CRF3\01112001\1622206.raw

L:10 M:270 C: Current Application Number differs, replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, replaced Current Filing Date
L:50 M:250 W: Mandatory Feature missing, <221> not found for SEQ ID#13
L:50 M:250 W: Mandatory Feature missing, <222> not found for SEQ ID#13
L:50 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#13